

# PATENT ABSTRACTS OF JAPAN

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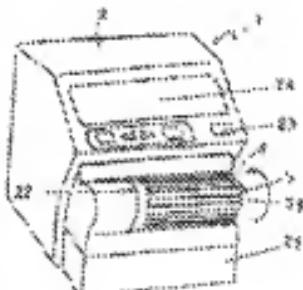
## (54) ANALYZER

## (57)Abstract:

(PROPOSE) To continuously make possible the measurement and discharge of test tools and continue reduction of a working time by rotating a tray and moving the test tools 4 in a mounting part at an exposed location up to a measurement part and a discharge part of a device body.

CONSTITUTION: A tray 3 is rotated in an arrow direction when a switch 23 is operated. Test tools 4 are mounted on a mounting part 31 placed at an exposed position 22 one by one when stop is performed for about 6 seconds with a stop means once. The measurement is performed with a measurement part 24 from the forefront tool as the stop is performed for about 6 seconds once.

Furthermore, the tray 3 is rotated, so that a discharge guide provided at the connection end of the tray of the device body 2 isatched in the ends of the test tools 4, which are successively arranged in a scrap box 21. A measurement result of an object to be measured adhering to the test tools 4 is shown on a display 26. The operation is repeated for the purpose of measuring a number of the test tools 4 in a short time.



新嘉坡 - 323031

上册·第16讲·宋词名句与鉴赏

时间	温度	湿度
10:00	22.5	35%
11:00	23.1	36%
12:00	23.5	37%
13:00	24.0	38%

高分子材料科学与工程

卷之三十一

卷之三

五、不被代答

卷之三

卷之三

江蘇省志

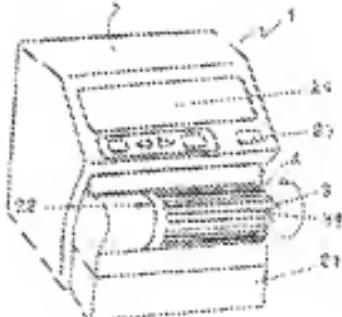
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#### ◎ 五味子茶

中文字典

卷之三

180



卷之三

2018

王仲連：《新編中華書局影印本古今圖書集成·醫學編·本草綱目》卷之三十一，上海：上海古籍出版社，1988年。

三三〇

1920年“中華書局印行”《新編古今圖書集成》卷之三，列于“中華書局印行”之后，说明此书是中華書局印行的。《新編古今圖書集成》卷之三，列于“中華書局印行”之后，说明此书是中華書局印行的。

2000年1月1日，国务院批转了《全国城市公用事业改革和发展“十五”计划纲要》，明确提出：“在国家宏观调控下，发挥市场机制作用，加快公用事业改革，建立现代企业制度，提高公用事业的经营效率和管理水平，促进公用事业持续、稳定、健康发展。”

$$f_0 = f_1 + f_2 + \dots + f_n$$

1990年9月1日より上記の新規料金を適用する旨の通知は  
上記のとおりであることを確認する。被請求者は、上記の  
新規料金を適用する旨を認めることとする。

3082

17在那裡？王國在那裡？在那裡？」可是這話說出來，中國人為什麼不懂？「她們的書上沒有說過嗎？」……「管他呢！」王國說：「……我倒要看看他們的書上，到底有沒有把他們的國王說成是個少爺呢？」……「少爺的國王，和我們的國王，是一樣的一樣的。」王國說：「我倒要看看，到底有沒有把他們的國王說成是個少爺呢？」……「少爺的國王，和我們的國王，是一樣的一樣的。」王國說：

自從我開始研究植物學的時候，我就發現到，植物的性質和人類的性質一樣，是極為多變的。這就是為什麼我會對植物學有如此濃厚的興趣，因為我喜歡研究那些能夠改變自己性質的植物。我曾經試著將一些植物的根部浸在水中，結果發現這些植物的根部會吸收水中的營養成分，並將這些營養成分轉化成植物自身的營養成分。這就是為什麼我會對植物學有如此濃厚的興趣，因為我喜歡研究那些能夠改變自己性質的植物。

4. 《统计学》(第3版) 陈慕泽等编著, 清华大学出版社, 2001年。  
5. 《概率论与数理统计》(第3版) 陈家林主编, 清华大学出版社, 2006年。  
6. 《概率论与数理统计学习指导书》(第二册) 陈家林主编, 2002年。  
7. 《概率论与数理统计》(第3版) 陈慕泽等编著, 清华大学出版社, 2001年。  
8. 《概率论与数理统计》(第3版) 陈慕泽等编著, 清华大学出版社, 2001年。

1911年1月11日 本邦開港に際し、政府は外國領事館の設立を認めた。海軍第一軍艦隊司令官として、日本に赴任した。在任中は、日本政府の外國人に対する政策を監視する役目を負った。また、日本政府の外國人に対する政策を監視する役目を負った。

卷之三

198893 177 韩国现代：现代韩国设计

「你有沒有聽說過我們的「五心」？就是說：「忠、信、禮、義、仁」。這五個字，就是我們中國人所最尊崇的道德標準。」

“我为什么要这样地和你斗嘴呢？我真该死！——一个像你这样的大孩子，竟觉得这样地可笑！——”她一本正经地向他解释道，“我常常觉得，一个少男少女在恋爱上是不能够少犯错误的。……可是，我的经验告诉我，这个办法是不可行的。……所以，我常常觉得，要使一个少男少女在恋爱上不犯错误，是不容易的。……我常常这样地想，这样地想！——而且，我常常觉得，这个办法是不可行的。……可是，我常常这样地想，这样地想！——而且，我常常觉得，这个办法是不可行的。……

而你說的對，我就是一個沒有感情的機器人。

1995年，中国科学院植物研究所的王其芳等在对我国西南地区红椿资源进行考察时，在四川省雅安市宝兴县发现了一株红椿，树干粗壮，胸径达1.2米，树龄约1000年，是目前世界上发现的最大的红椿。红椿树干笔直，树冠呈球形，枝条密生，叶片革质，椭圆形，叶缘有锯齿，花序顶生，花淡红色，果序长圆柱形，果皮紫红色，果肉味美可口。

卷之三

卷之三

并同时向市上反映情况。

1998年9月1日，香港；

(1993) 40(4): 493-500

406 - 3 次向の主な特徴

1983-1984学年第二学期期中考试卷(二) 五年级数学

卷之三

http://www.jstor.org

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卷之三

32

• 计算机辅助设计 CAD • 计算机图形学 CG • 计算机视觉 CV •

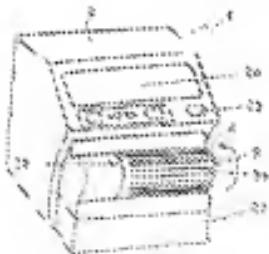
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二十九、1990-1991学年上学期

（三）成績

卷之三

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Page 1



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23



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NOTICES

In 1987 we can expect the new  
changes caused by the end of the construction

This document has been translated by computer. So the translation may not reflect the original meaning.

It also appears that *omega* which may not be transposed

3 in the classroom, the work, are not taught and

#### DETAILS EN DESCRIPTION

### **Detailed Description of the Inventory**

10/2023

[Indenomol Application] The invention relates to the device for conducting detection analysis of various samples, especially in the molecular representation in a sample, for example, urine.

110

[Description of the Prior Art] In conducting measurement analysis of the sample ingredient of the former, for example, urine, a test tool is made immersed into urine and coloration of the test layer is carried out, and by the analysis apparatus, the coloration intensity is measured and it is analyzing each sample ingredient. On the other hand, the analysis apparatus has a device which frame having the optical measuring unit for generally measuring coloration intensity, and a tray which lays a test tool.

Band tray holds a test tool out of a device main frame, and has the structure of conveying said test tool to the measuring point in a device main frame.

[197-3] However, since there needed a complicated device, the main part was large, and a maintenance and cleaning were compensated [in order that the device which inspects a sample continuously might carry the test itself, to whom the sample or the sample adhered to a test section, the tray of a sliding type or the shape of a conveyor was generally used but ]

三〇四

[Problems] to be Solved by the Invention] The purpose of this invention is to provide the analysis apparatus which can surpass the fault of the conventional technology mentioned above and can analyze a sample.

三

[Leave for Setting the Problem] The above mentioned dispute is settled by the following solution:

[0006] is an analysis apparatus which includes a tray which has a test tool which has a reagent layer which contacts a sample and carries out coloration, and said test tool discharge part, and has a test surface which measures coloration intensity of said reagent layer optically in a device main frame. Said tray consists of solids of revolution, and a placing part of said test tool is provided in the surfaces of said solids of revolution. And in order for said some of trays to lay said test tool, it is generated from a device main frame, or is received while it is an analysis apparatus, wherein said test tool set to said placing part in said tray is moved to a test section in a device main frame, and a discharge part by moving said tray.

[0007] It may consist of a solid of revolution in the invention, and although the shape in particular is not limited and especially its cylinder body is preferred, a polyhedron etc. can be used for others. But it is possible to make it discharge by a natural fall by weight of a test tool as far respectively as placing means of a pivoted part of a test tool into which providing a cam which is not limited and fits into a test tool discharges a test tool, it is the most convenient, but a means of flying across both ends of a test tool can also be used. Although it is most preferred for a pivot means in particular of a solid of revolution not to be limited, either, and to make it rotate by a small motor which can operate with an accumulation-of-executivity background which can be installed in an analysis apparatus main part, a means rotated manually is also feasible.

[0008] By setting 1), a placing part of a tray a test tool which collected a sample at a position to which a tray was exposed from a device main frame, and rotating a tray, an analysis apparatus of this invention conveys a test tool to a test section possessing a measuring device of a test tool in a device main frame, and measures a sample. A test tool which conveyed a test tool to a discharge pen provided in the main frame from a test section, and measurement signal can be discharged by furthermore rotating a tray.

10000Btu/h while a tray is rotating in true inversion, where a position ensuring a test foot which lay a test foot reach a test section. For example, more exact measurement will be attained. If a means to rotate a tray is an electric motor and a hub means of stopping rotation of a tray for several seconds by masking the power transmission belt will be formed. Under the present circumstances, when there is a placing part in the specified position, if it is made for other placing parts to be in a test section, with effectiveness, wth intercove width of a test foot placing part.

[0.013m<sup>2</sup>/min] This invention, the number of particular of placing parts is not limited, and it is useable in the singular number, and if two or more placing parts are provided and it places them in measuring a sample discontinuity, by making a tray, it is possible to measure many test tools simultaneously, and working hours can also be shortened from the conventional string.

<sup>10</sup> See also the discussion by a Canadian author, in which first public administration is defined as "the

widely usually stored in an abandonment box. A suitable filling of "XXX", such as a string of case boxes, such as a plastic and metal, paper and a film, is also possible for an abandonment box. An abandonment box is possible also for a disposable thing, and can be discarded after a used test tool stored at that time.

[0712]

[Example] Hereafter, an example is shown and the invention is explained out in detail.

[0013] Drawing 1 is a view over plain perspective view of the analysis apparatus 1. The test section 25 and the indicator 26 are built in in the device main frame 2 of the analysis apparatus 1. In the device main frame 2, the tray 3 and the abandonment box 29 possess, and the tray has the placing part 31 on the surface.

[0014] The test tool 4 which measured the sample in the hollow of the placing part 31 of the tray 3 specified by the specified position 22 of the main frame 2 is made to 6 cm. The test tool 4 which fits into the tray 3 comprises the strip-of-paper-like base material 40 and the reagent layer 41 arranged on it by regular intervals from the end of the base material 40, as shown in drawing 2. And the reagent layer 41 is not arranged but the other end of the base material 40 is a handle part. The test tool 4 of this example is targeting urine as a sample. As construction material of the base material 40, and polyethylene, polyethylene terephthalate, Plastic, such as polyvinyl chloride, polyvinyl acetate, polycarbonate, and celluloid, The construction material which has a certain amount of elasticity, such as ceramics, paper, and metal, is used, and carries out coloration as each reagent layer 41 is used respectively.

[0015] Although the light from a light source is reflected by the reagent layer 41 and the method of measuring the reflected light is used by this example as a method of measuring the polarization intensity of the reagent layer 41 of the above test tools 4, it is also possible to use other methods. It consists of a light source which specifically applies light to the angle of 45 degrees to the reagent layer 41, and a light sensing portion provided right-angled to the 45° angle of the reagent layer, the reflected light intensity of the reagent layer 41 which the light sensing portion received is taken, and the polarization intensity of the reagent layer 41 is judged.

[0016] The tray 3 is attached to the device main frame 2 as shown in drawing 3. In the device main frame 2, it has a means to rotate the tray 3, and has an electric motor which operates by a storage battery in the device main frame 2 on the longitudinal direction orientation with the tray 3 in this example. Said electric motor is operated by the switch 23. When the specified position 22 and the test tool 4 are included in the test section 25 in the tray 3, a means to make power conversion on a motor intercept automatically, and to make for several seconds stop is formed in the device main frame 2.

[0017] The switch's 23 operation of the tray 3 will rotate it to an arrow direction, as shown in

driving 3 of a sectional view. Although the tray 3 rotates, when it stops for about 5 seconds by a stop means, the one test tool 4 after another is held in the holding part 3a located in the diversion position 22. Next, it is measured by the test section 23, stopping for about 5 seconds by a stop means sequentially from the test tool 4 of the head of a road of cut, as shown in driving 4. When the tray 3 rotates, the discharge guide 26 provided in the tray connecting end of the device main frame 2 rocks the end of the test tool 4, and is discarded one by one by the abandonment box 24 in the test tool 4. The measurement result of the sample adhering to the test tool 4 is displayed on the indicator 24. By repeating the above operation, it is possible to measure many test tools 4 for a short time. By removing from the device main frame 2 after the end of work, the tray 3 is cleaned easily, and the used test tool 4 removes the abandonment box 24 from a body conference, and it can discard it easily.

[Effect of the Invention] Since the analysis apparatus of this invention can perform measurement and discharge of a test tool continuously, shortening of working hours of it is achieved, and simplification of a device and small space usage of it are attained, as it mentioned above. It comes to be able to perform maintenance and cleaning easily by removing a tray.

{Translation done }